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Tennessee
Valley
Authority

Office
of
Energy Use

Monthly Load Data Report

Fiscal Year 1983

(serial)

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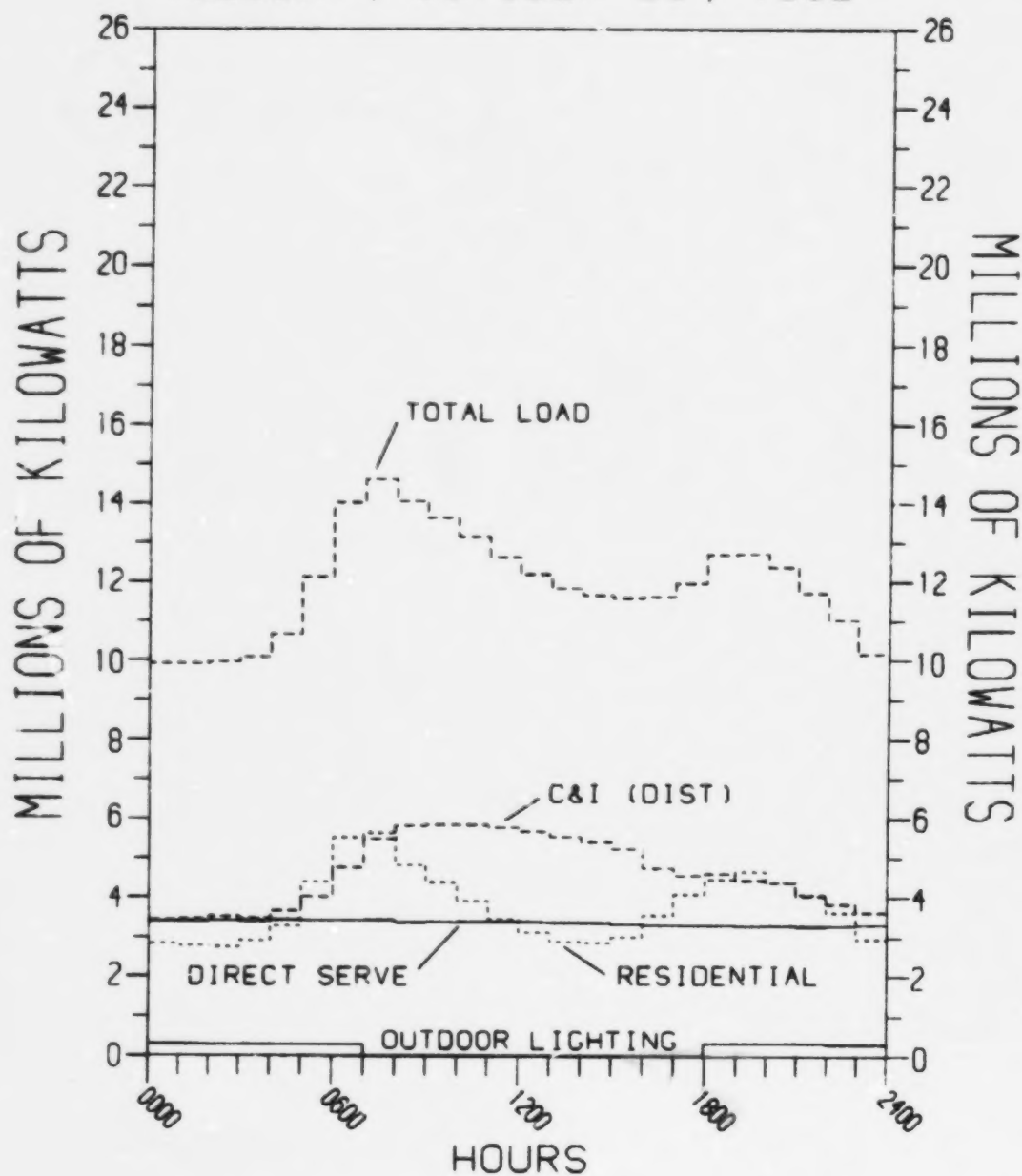
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

October 1982

	Distributor Served Classes					
	Direct Served	Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	104*	2,475,817	264,745	23,551	165	2,764,382
2. Energy Per Customer	-	972 kWh	2,163 kWh	78,398 kWh	3,884,348 kWh	-
3. Class Average Demand	3,348 MW	3,236 MW	770 MW	2,482 MW	861 MW	10,849 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,710 MW	5,731 MW	1,600 MW	4,042 MW	1,128 MW	14,612 MW
5. Day of Month	1st	24th	5th	6th	12th	26th
6. Day of Week	Friday	Sunday	Tuesday	Wednesday	Tuesday	Tuesday
7. Hour	0100	0900	1500	1100	1100	0800
8. Monthly Load Factor (3 ÷ 4)	90.2%	56.5%	48.1%	61.4%	76.3%	74.2%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,438 MW	5,658 MW	1,125 MW	3,396 MW	995 MW	14,612 MW
10. Coincident Load Factor (3 ÷ 9)	97.4%	57.2%	68.4%	73.1%	86.5%	-
11. Class Coincidence Factor (9 ÷ 4)	.927	.987	.703	.840	.882	-

*Represents 48 commercial and industrial customers, 10 Federal agencies, and 46 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
TUESDAY, OCTOBER 26, 1982



TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

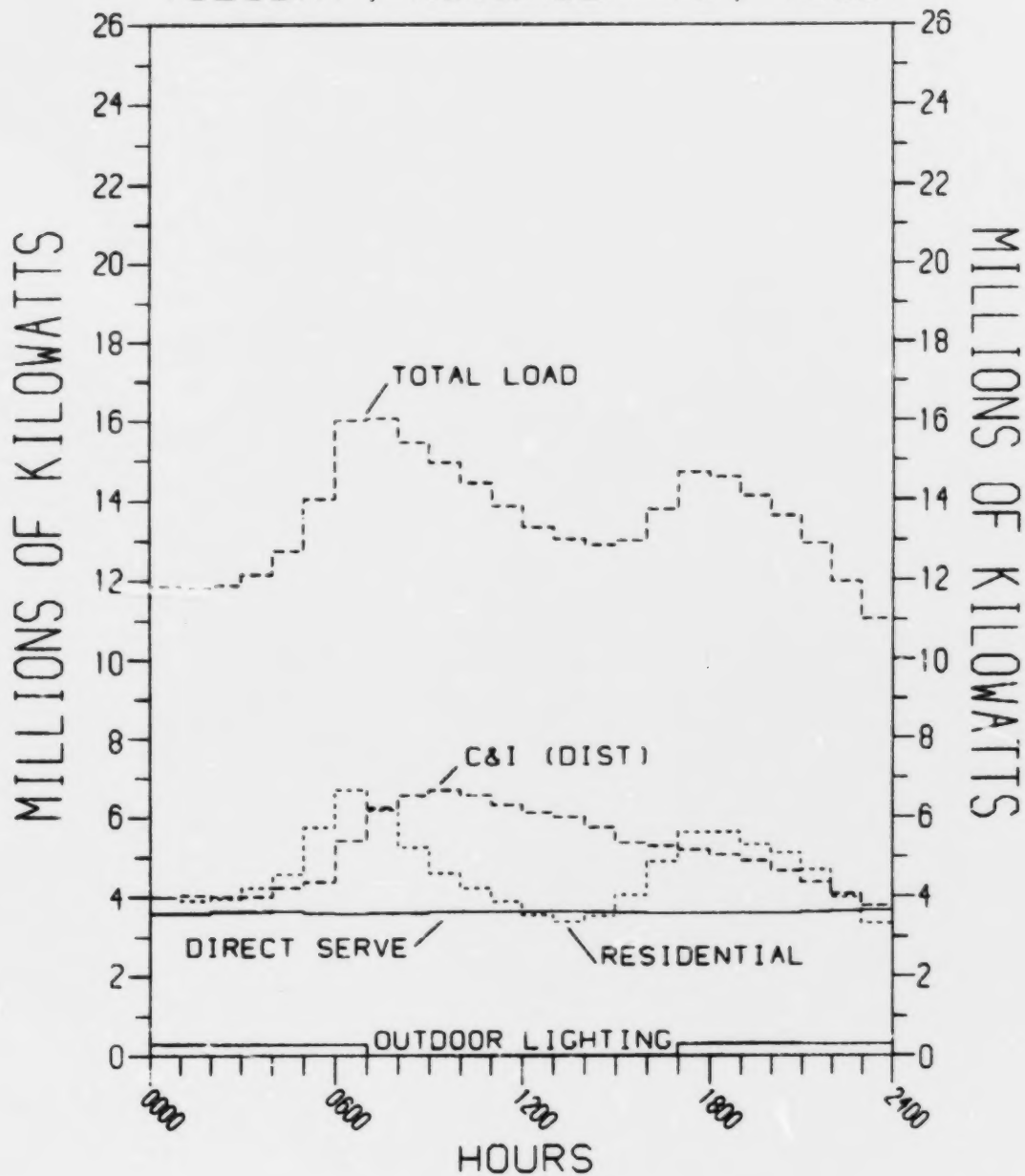
November 1982

		Distributor Served Classes				
	Direct Served	Residential	GS 4-50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	105*	2,474,964	265,028	23,389	169	2,763,655
2. Energy Per Customer	-	1,084 kWh	1,951 kWh	83,959 kWh	3,494,611 kWh	-
3. Class Average Demand	3,636 MW	3,727 MW	718 MW	2,727 MW	820 MW	11,797 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,871 MW	7,134 MW	1,288 MW	4,362 MW	1,060 MW	16,065 MW
5. Day of Month	11th	25th	16th	16th	10th	16th
6. Day of Week	Thursday	Thursday	Tuesday	Tuesday	Wednesday	Tuesday
7. Hour	0600	1000	1000	1000	1200	0800
8. Monthly Load Factor (3 ÷ 4)	94.0%	52.2%	55.7%	62.5%	77.4%	73.4%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,600 MW	6,204 MW	1,089 MW	4,157 MW	1,015 MW	16,065 MW
10. Coincident Load Factor (3 ÷ 9)	101.0%	60.1%	65.9%	65.6%	80.8%	-
11. Class Coincidence Factor (9 ÷ 4)	.930	.870	.845	.953	.958	-

*Represents 43 commercial and industrial customers, 10 Federal agencies, and 46 interdivisional customers.

TVA POWER SYSTEM PEAK DAY PROFILE

TUESDAY, NOVEMBER 16, 1982



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TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

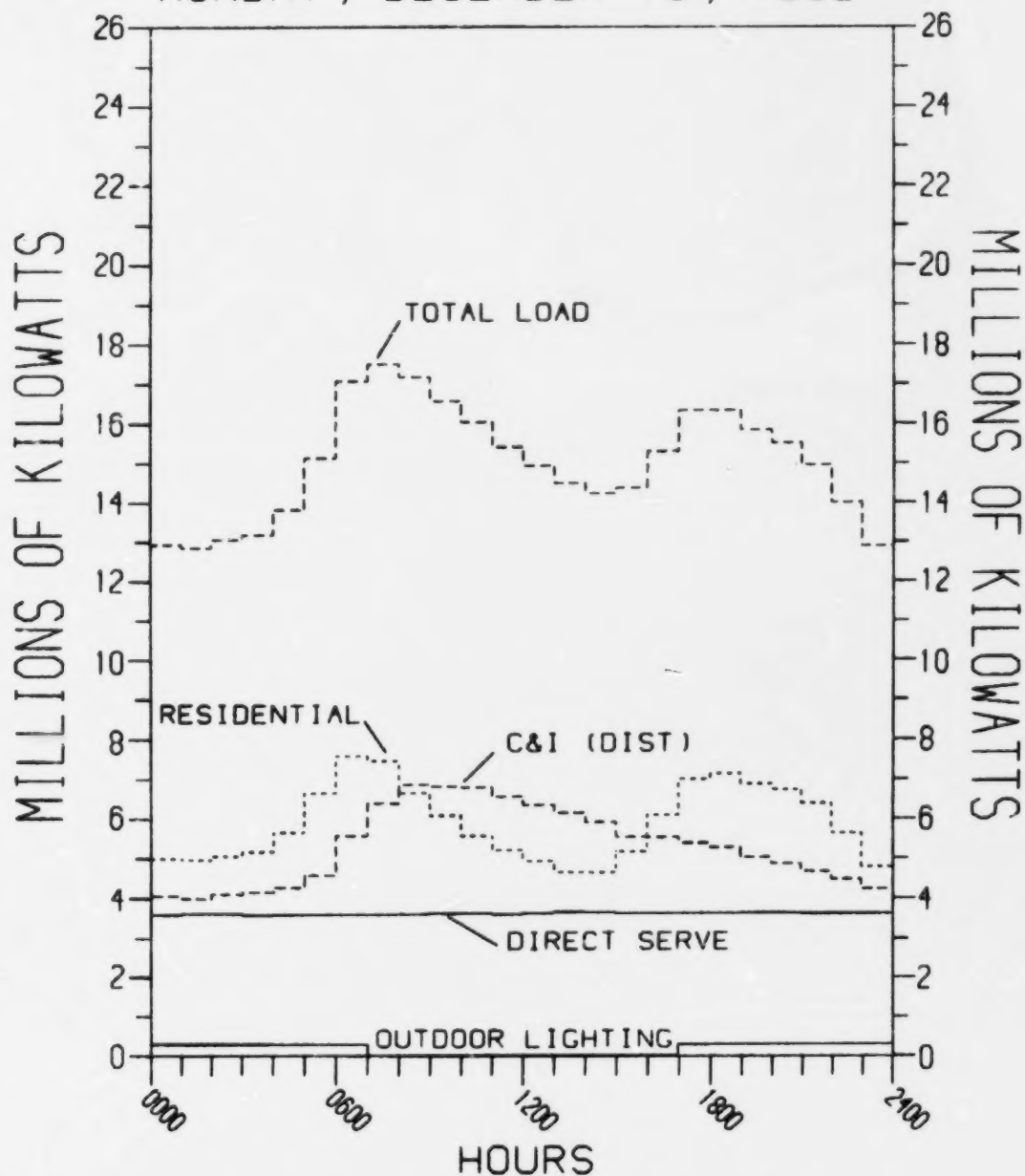
December 1982

	Direct Served	Distributor Served Classes				TVA System
		Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	
<u>Individual Customer</u>						
1. Population	102*	2,475,626	264,844	23,187	167	2,763,926
2. Energy Per Customer	-	1,288 kWh	2,132 kWh	85,805 kWh	3,389,771 kWh	-
3. Class Average Demand	3,580 MW	4,286 MW	759 MW	2,674 MW	761 MW	12,221 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,805 MW	7,606 MW	1,416 MW	4,479 MW	1,058 MW	17,496 MW
5. Day of Month	7th	13th	13th	13th	15th	13th
6. Day of Week	Tuesday	Monday	Monday	Monday	Wednesday	Monday
7. Hour	1500	0700	1000	0900	1200	0800
8. Monthly Load Factor (3 ÷ 4)	94.1%	56.4%	53.6%	59.7%	71.9%	69.9%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,611 MW	7,476 MW	1,176 MW	4,245 MW	988 MW	17,496 MW
10. Coincident Load Factor (3 ÷ 9)	99.1%	57.3%	64.5%	63.0%	77.0%	-
11. Class Coincidence Factor (9 ÷ 4)	.949	.983	.831	.948	.934	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 45 interdivisional customers.

TVA POWER SYSTEM PEAK DAY PROFILE

MONDAY, DECEMBER 13, 1982



TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

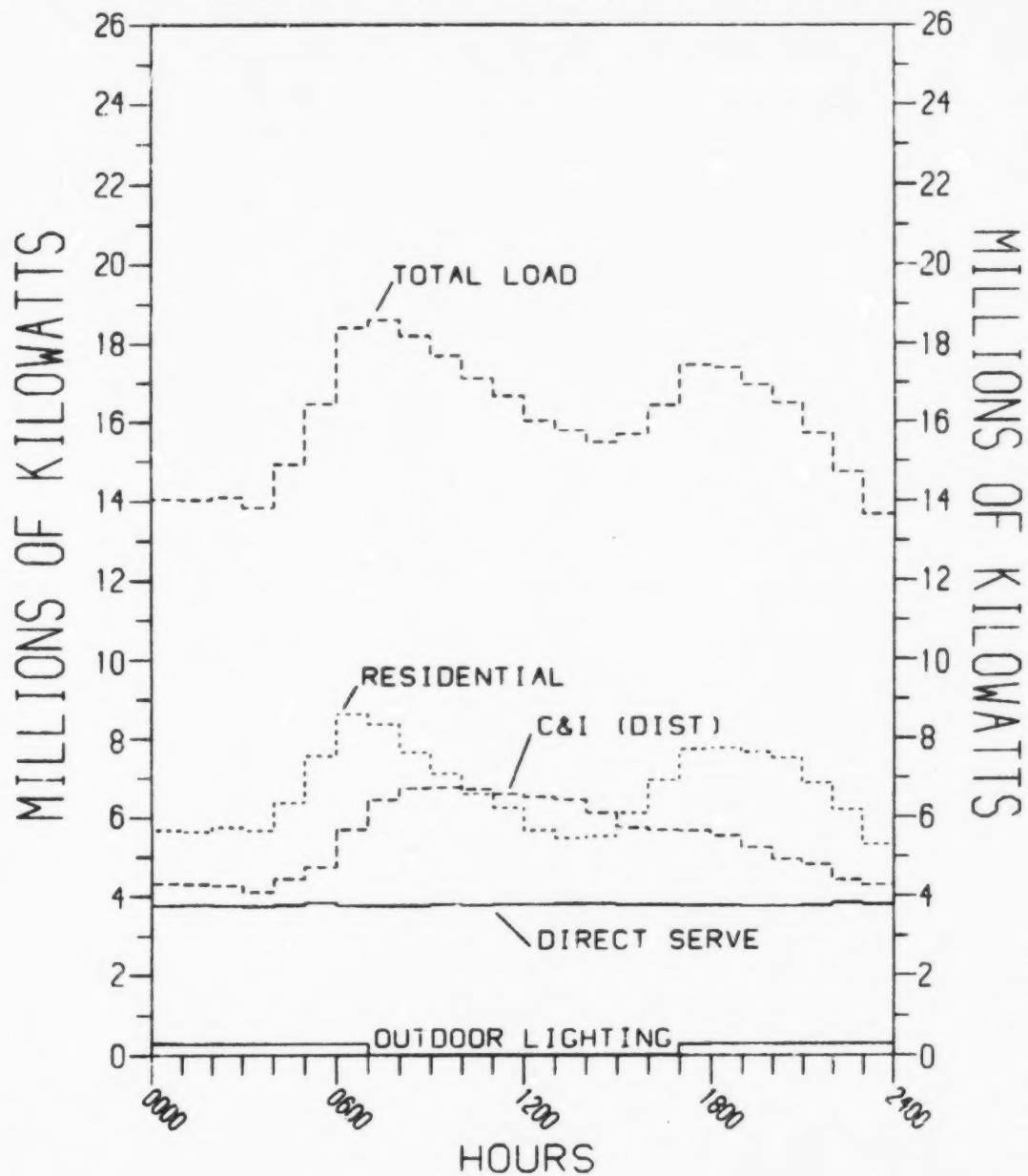
January 1983

		<u>Distributor Served Classes</u>				
	<u>Direct Served</u>	<u>Residential</u>	<u>GS 450 kW</u>	<u>GS 51-5000 kW</u>	<u>GS 5001-over kW</u>	<u>TVA System</u>
<u>Individual Customer</u>						
1. Population	101*	2,476,925	264,680	23,085	160	2,764,951
2. Energy Per Customer	-	1,618 kWh	2,291 kWh	93,757 kWh	3,553,102 kWh	-
3. Class Average Demand	3,691 MW	5,388 MW	815 MW	2,909 MW	764 MW	13,727 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,854 MW	8,635 MW	1,400 MW	4,607 MW	1,008 MW	18,600 MW
5. Day of Month	19th	19th	20th	20th	18th	19th
6. Day of Week	Wednesday	Wednesday	Thursday	Thursday	Tuesday	Wednesday
7. Hour	0600	0700	1100	1100	1000	0800
8. Monthly Load Factor (3 ÷ 4)	95.8%	62.4%	58.2%	63.1%	75.8%	73.8%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,766 MW	8,373 MW	1,133 MW	4,349 MW	979 MW	18,600 MW
10. Coincident Load Factor (3 ÷ 9)	98.0%	64.3%	71.9%	66.9%	78.0%	-
11. Class Coincidence Factor (9 ÷ 4)	.977	.970	.809	.944	.971	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 44 interdivisional customers.

TVA POWER SYSTEM PEAK DAY PROFILE

WEDNESDAY, JANUARY 19, 1983



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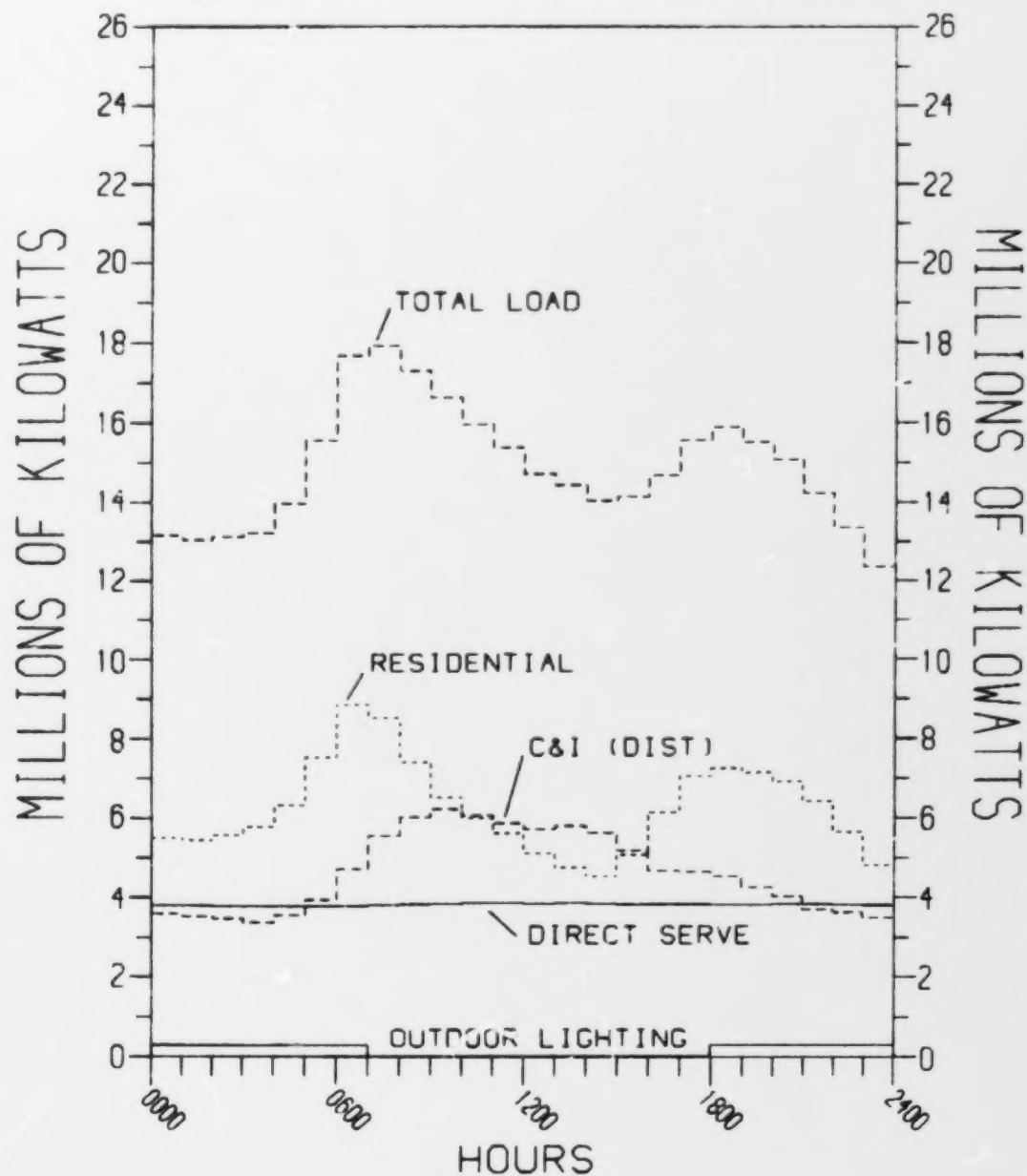
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

February 1983

		Distributor Served Classes				
	Direct Served	Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	102*	2,482,956	265,039	22,932	160	2,771,189
2. Energy Per Customer	-	1,432 kWh	2,011 kWh	73,873 kWh	3,066,149 kWh	-
3. Class Average Demand	3,822 MW	5,290 MW	793 Mw	2,521 MW	730 MW	13,306 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,989 MW	8,879 MW	1,361 MW	4,007 MW	952 MW	17,933 MW
5. Day of Month	24th	8th	3d	8th	2d	8th
6. Day of Week	Thursday	Tuesday	Thursday	Tuesday	Wednesday	Tuesday
7. Hour	0500	0700	1000	1000	1200	0800
8. Monthly Load Factor (3 ÷ 4)	95.8%	59.6%	58.3%	62.9%	76.7%	74.2%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,813 MW	8,546 MW	1,043 MW	3,665 MW	866 MW	17,933 MW
10. Coincident Load Factor (3 ÷ 9)	100.2%	61.9%	76.0%	68.8%	84.3%	-
11. Class Coincidence Factor (9 ÷ 4)	.956	.962	.766	.915	.910	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 45 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
TUESDAY, FEBRUARY 8, 1983



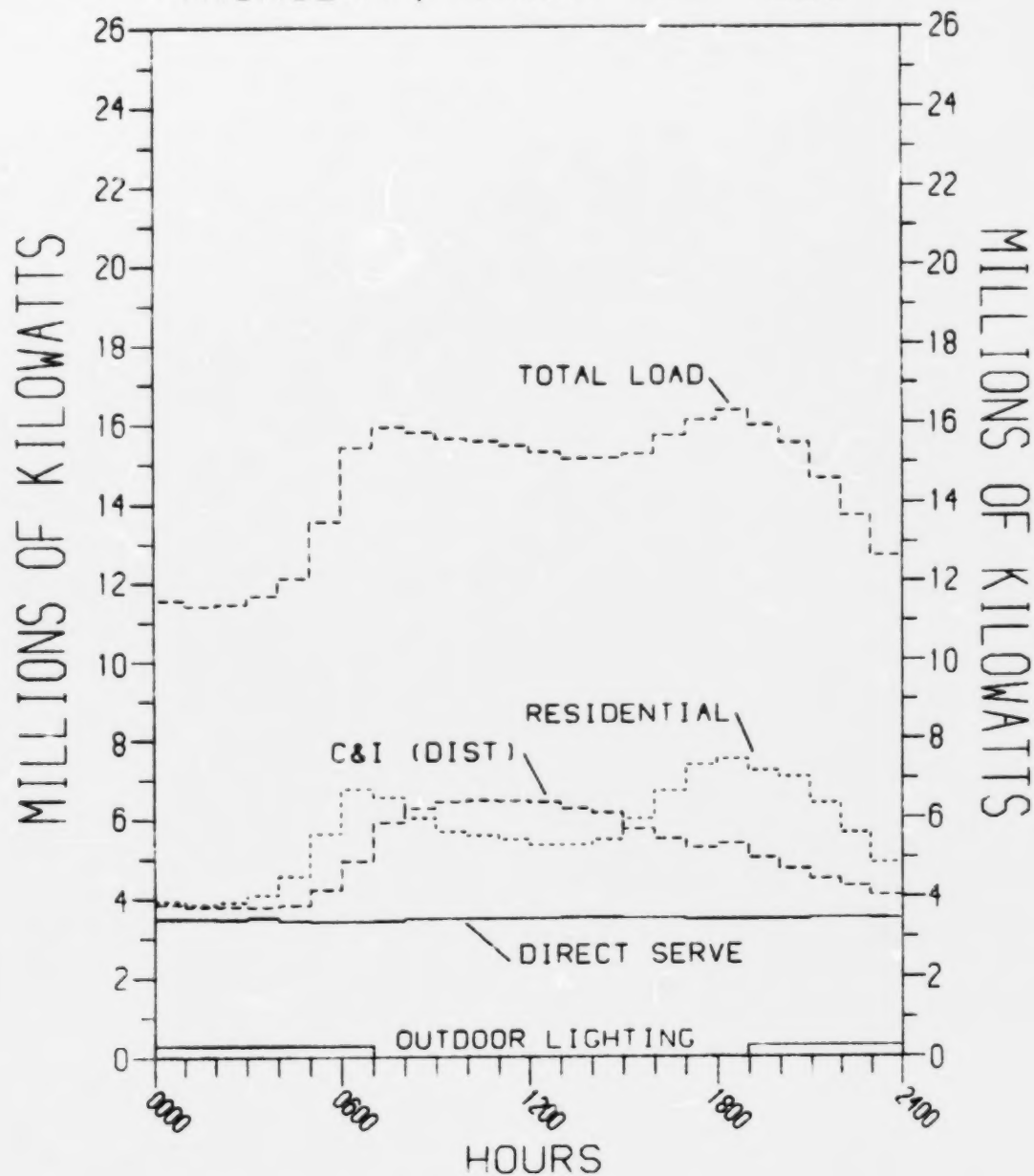
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

March 1983

	Direct Served	Distributor Served Classes				TVA System
		Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	
<u>Individual Customer</u>						
1. Population	102*	2,480,405	265,763	22,719	159	2,769,146
2. Energy Per Customer	-	1,251 kWh	2,002 kWh	89,526 kWh	3,784,970 kWh	-
3. Class Average Demand	3,494 MW	4,170 MW	715 MW	2,734 MW	809 MW	12,060 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,673 MW	7,519 MW	1,320 MW	4,246 MW	1,012 MW	16,309 MW
5. Day of Month	1st	21st	11th	11th	9th	10th
6. Day of Week	Tuesday	Monday	Friday	Friday	Wednesday	Thursday
7. Hour	2400	1900	1100	1100	1400	1900
8. Monthly Load Factor (3 ÷ 4)	95.1%	55.5%	54.2%	64.4%	79.9%	73.9%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,460 MW	7,492 MW	953 MW	3,420 MW	984 MW	16,309 MW
10. Coincident Load Factor (3 ÷ 9)	100.9%	55.7%	75.0%	79.9%	82.2%	-
11. Class Coincidence Factor (9 ÷ 4)	.942	.996	.722	.805	.972	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 45 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
THURSDAY, MARCH 10, 1983



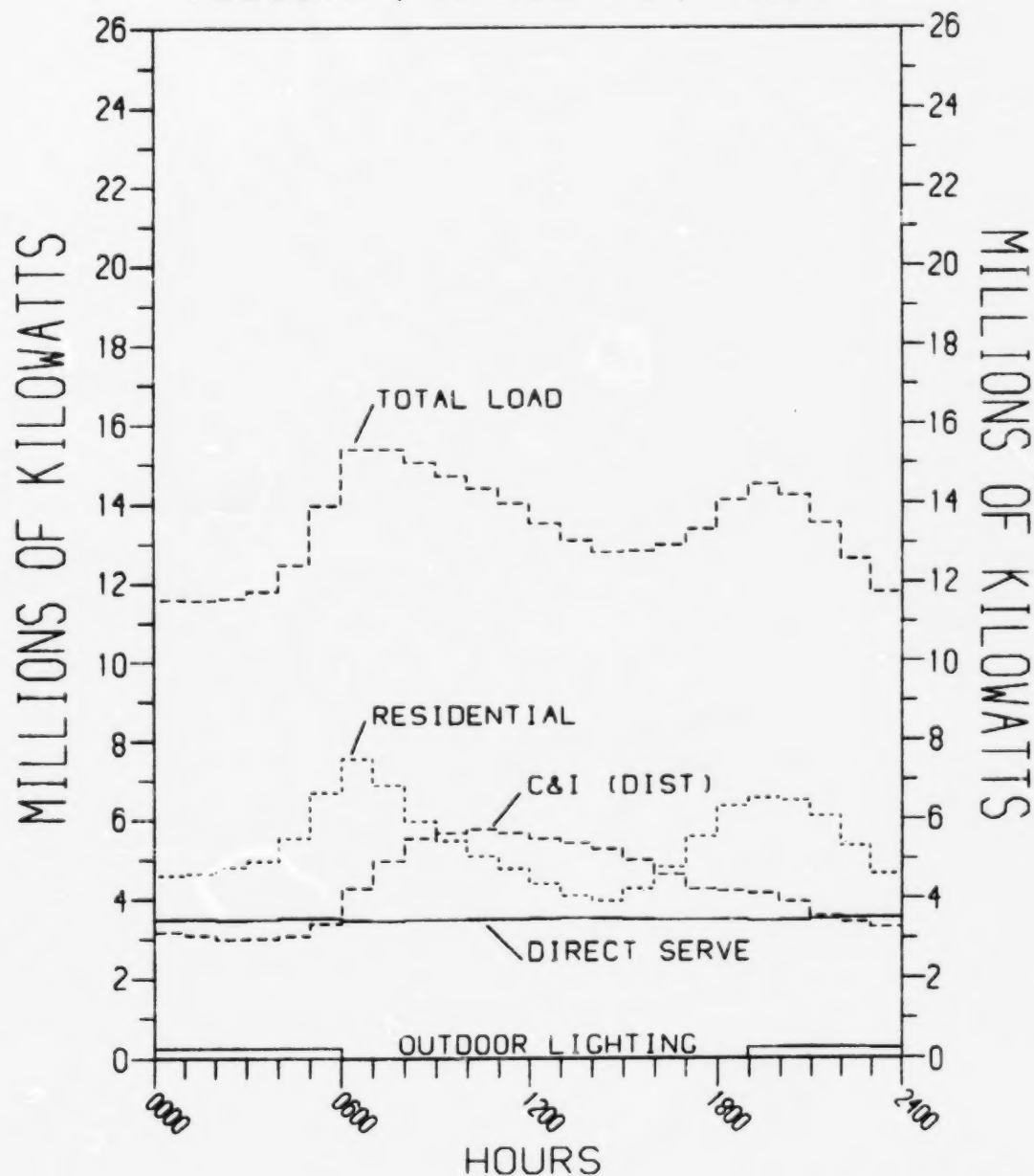
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

April 1983

	Distributor Served Classes					
	Direct Served	Residential	GS 4-50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	101*	2,485,523	267,984	22,640	162	2,776,410
2. Energy Per Customer	-	1,180 kWh	1,855 kWh	75,795 kWh	3,273,151 kWh	-
3. Class Average Demand	3,486 MW	4,072 MW	690 MW	2,383 MW	736 MW	11,497 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,650 MW	7,583 MW	1,191 MW	3,774 MW	1,000 MW	15,384 MW
5. Day of Month	29th	19th	19th	28th	13th	19th
6. Day of Week	Friday	Tuesday	Tuesday	Thursday	Wednesday	Tuesday
7. Hour	1400	0700	1100	1200	1100	0700
8. Monthly Load Factor (3 ÷ 4)	95.5%	53.7%	57.9%	63.1%	73.6%	74.7%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,493 MW	7,583 MW	673 MW	2,803 MW	832 MW	15,384 MW
10. Coincident Load Factor (3 ÷ 9)	99.8%	53.7%	102.5%	85.6%	88.5%	-
11. Class Coincidence Factor (9 ÷ 4)	.957	1.000	.565	.743	.832	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 44 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
TUESDAY, APRIL 19, 1983



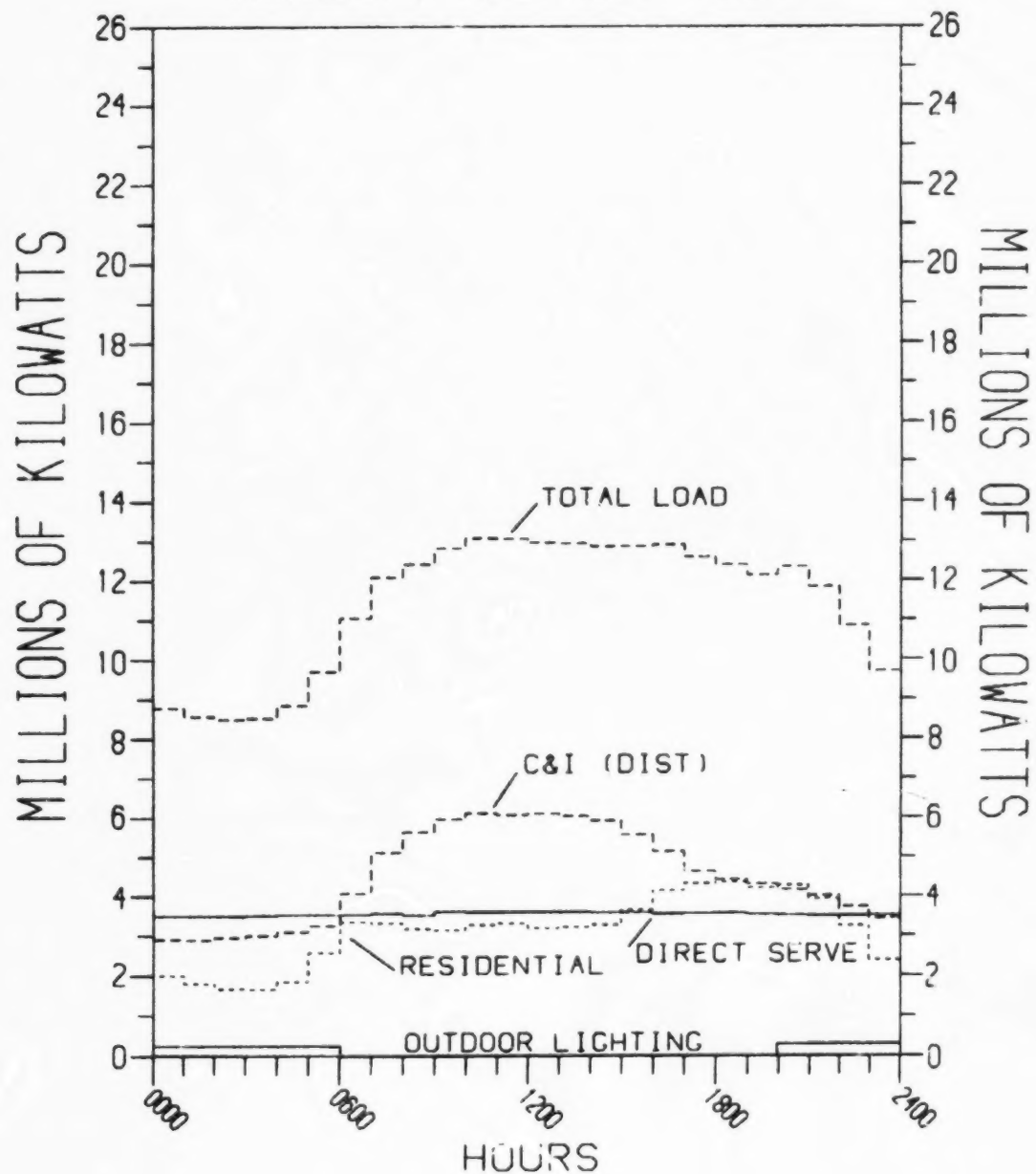
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

May 1983

	Distributor Served Classes					
	Direct Served	Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	102*	2,454,315	268,786	22,877	159	2,786,239
2. Energy Per Customer	-	928 kWh	1,844 kWh	85,458 kWh	3,688,561 kWh	-
3. Class Average Demand	3,504 MW	3,111 MW	666 MW	2,628 MW	788 MW	10,818 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	3,648 MW	4,764 MW	1,265 MW	4,195 MW	1,001 MW	13,092 MW
5. Day of Month	12th	14th	13th	13th	4th	23d
6. Day of Week	Thursday	Saturday	Friday	Friday	Wednesday	Monday
7. Hour	0900	1800	1500	1200	1200	1100
8. Monthly Load Factor (3 ÷ 4)	96.1%	65.3%	52.6%	62.6%	78.7%	82.6%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,637 MW	3,303 MW	1,115 MW	4,085 MW	952 MW	13,092 MW
10. Coincident Load Factor (3 ÷ 9)	96.3%	94.2%	59.7%	64.3%	82.8%	-
11. Class Coincidence Factor (9 ÷ 4)	.997	.693	.881	.974	.951	-

*Represents 48 commercial and industrial customers, 10 Federal agencies, and 44 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
MONDAY, MAY 23, 1983



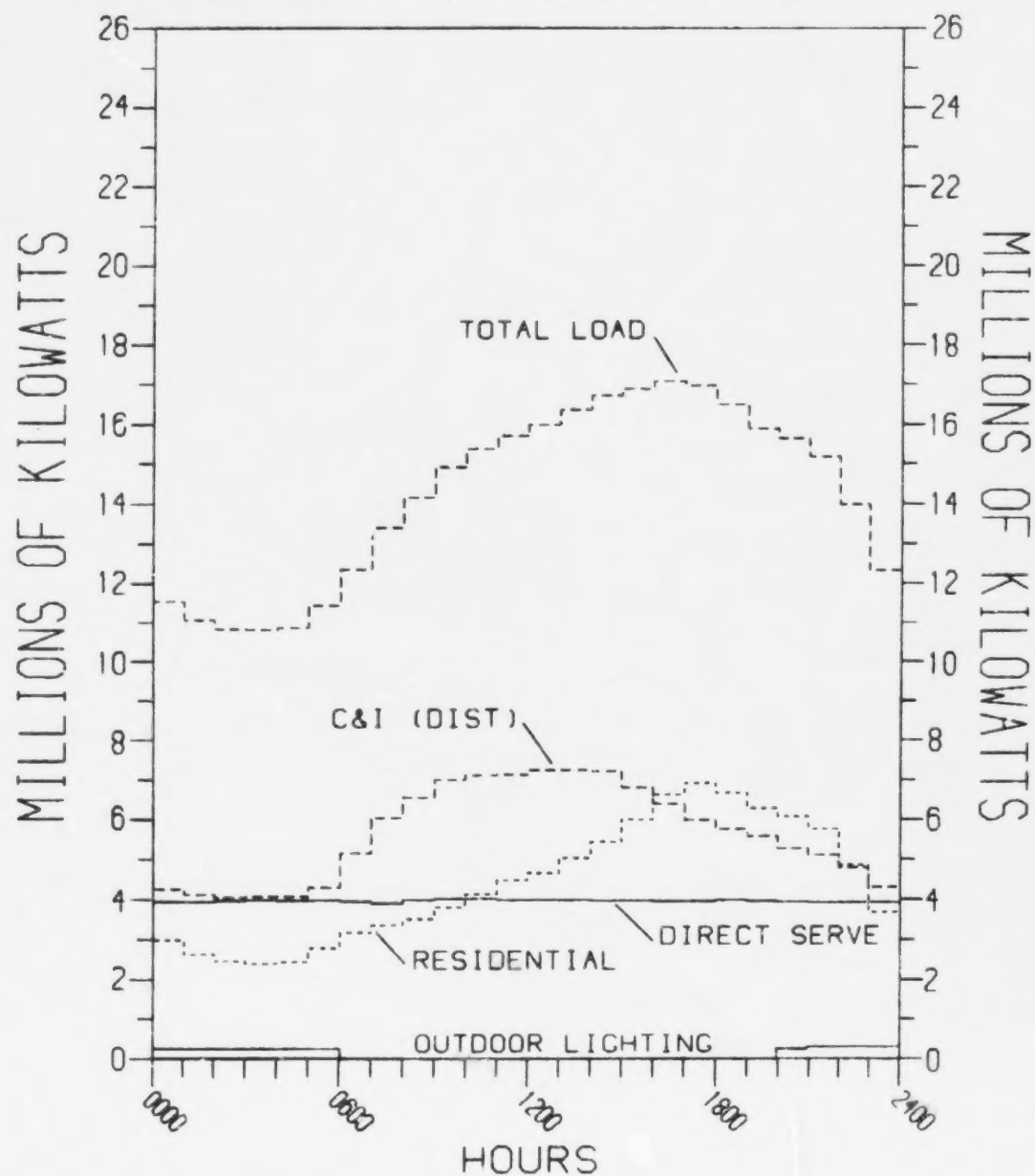
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

June 1983

		Distributor Served Classes				
	Direct Served	Residential	GS ≤ 50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	100*	2,496,128	270,139	23,043	161	2,789,571
2. Energy Per Customer	-	1,005 kWh	2,309 kWh	99,888 kWh	4,347,066 kWh	-
3. Class Average Demand	3,910 MW	3,485 MW	866 MW	3,197 MW	972 MW	12,551 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	4,178 MW	6,966 MW	1,605 MW	4,729 MW	1,210 MW	17,106 MW
5. Day of Month	16th	29th	27th	23d	14th	29th
6. Day of Week	Thursday	Wednesday	Monday	Thursday	Tuesday	Wednesday
7. Hour	0900	1800	1400	1400	1200	1700
8. Monthly Load Factor (3 ÷ 4)	93.6%	50.0%	54.0%	67.6%	80.3%	73.4%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	4,003 MW	6,668 MW	1,341 MW	4,008 MW	1,086 MW	17,106 MW
10. Coincident Load Factor (3 ÷ 9)	97.7%	52.3%	64.6%	79.8%	89.5%	-
11. Class Coincidence Factor (9 ÷ 4)	.958	.957	.836	.848	.898	-

*Represents 49 commercial and industrial customers, 10 Federal agencies, and 41 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
WEDNESDAY, JUNE 29, 1983



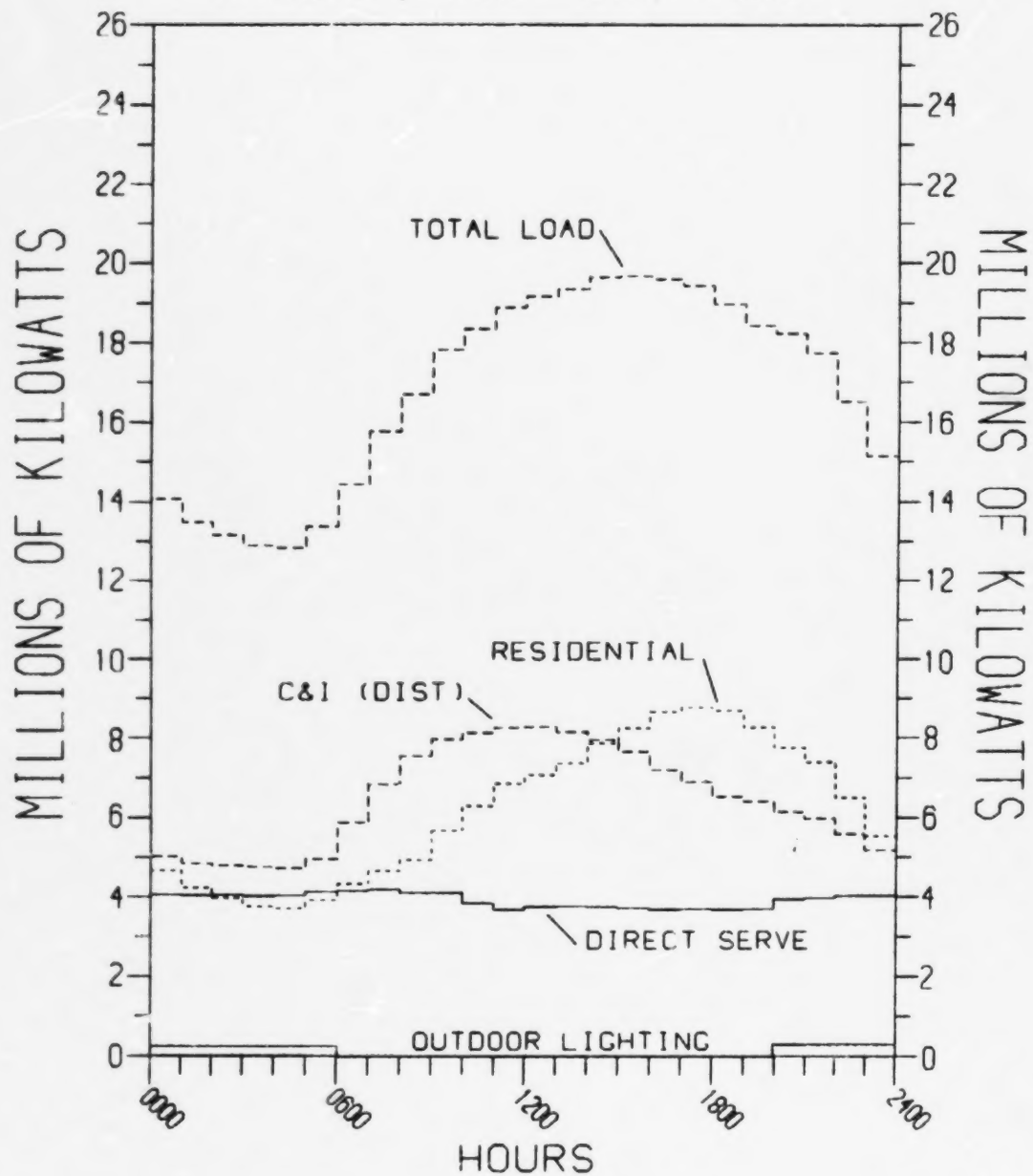
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

July 1983

		Distributor Served Classes				
	Direct Served	Residential	GS 50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	101*	2,497,333	269,947	23,701	163	2,791,245
2. Energy Per Customer	-	1,443 kWh	2,914 kWh	107,786 kWh	4,247,387 kWh	-
3. Class Average Demand	4,022 MW	4,842 MW	1,057 MW	3,434 MW	931 MW	14,408 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	4,231 MW	8,849 MW	2,004 MW	5,351 MW	1,246 MW	19,696 MW
5. Day of Month	26th	21st	20th	21st	21st	22d
6. Day of Week	Tuesday	Thursday	Wednesday	Thursday	Thursday	Friday
7. Hour	0900	1800	1600	1300	1300	1600
8. Monthly Load Factor (3 ÷ 4)	95.1%	54.7%	52.7%	64.2%	74.7%	73.2%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	3,743 MW	8,273 MW	1,803 MW	4,720 MW	1,157 MW	19,696 MW
10. Coincident Load Factor (3 ÷ 9)	107.5%	58.5%	58.6%	72.7%	80.5%	-
11. Class Coincidence Factor (9 ÷ 4)	.885	.935	.900	.883	.929	-

*Represents 49 commercial and industrial customers, 10 Federal agencies, and 42 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
FRIDAY, JULY 22, 1983



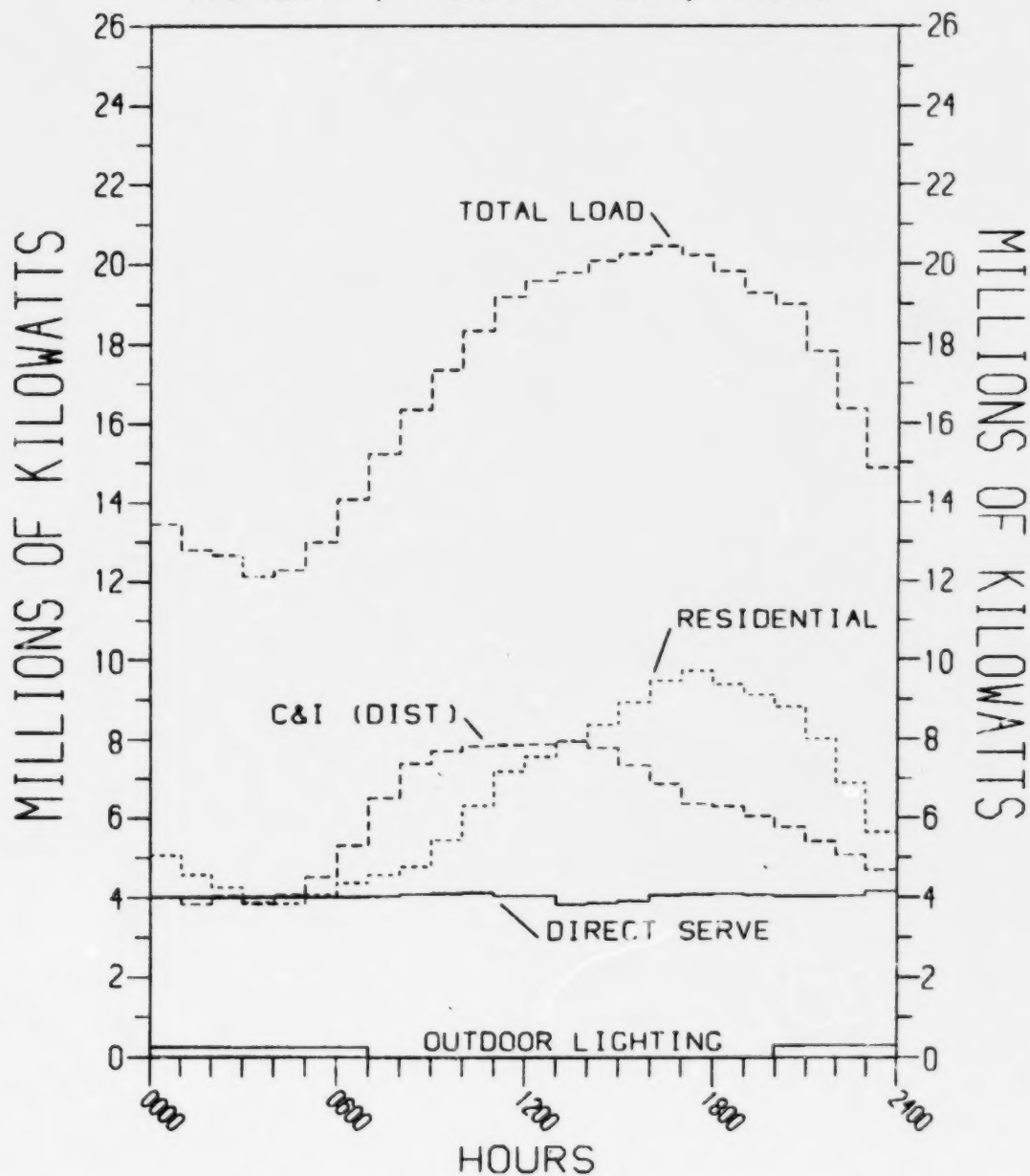
TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

August 1983

		<u>Distributor Served Classes</u>				
	<u>Direct Served</u>	<u>Residential</u>	<u>GS ≤50 kW</u>	<u>GS 51-5000 kW</u>	<u>GS 5001-over kW</u>	<u>TVA System</u>
<u>Individual Customer</u>						
1. Population	101*	2,513,517	269,372	24,995	164	2,808,149
2. Energy Per Customer	-	1,655 kWh	2,965 kWh	104,969 kWh	4,492,555 kWh	-
3. Class Average Demand	4,090 MW	5,591 MW	1,074 MW	3,526 MW	990 MW	15,404 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	4,302 MW	9,747 MW	1,791 MW	5,143 MW	1,235 MW	20,478 MW
5. Day of Month	24th	22d	25th	25th	25th	22d
6. Day of Week	Wednesday	Monday	Thursday	Thursday	Thursday	Monday
7. Hour	0500	1800	1300	1200	1100	1700
8. Monthly Load Factor (3 ÷ 4)	95.1%	57.4%	60.0%	68.6%	80.2%	75.2%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	4,097 MW	9,494 MW	1,483 MW	4,301 MW	1,103 MW	20,478 MW
10. Coincident Load Factor (3 ÷ 9)	99.8%	58.9%	72.4%	82.0%	89.8%	-
11. Class Coincidence Factor (9 ÷ 4)	.952	.974	.828	.836	.893	-

*Represents 47 commercial and industrial customers, 10 Federal agencies, and 44 interdivisional customers.

TVA POWER SYSTEM
PEAK DAY PROFILE
MONDAY, AUGUST 22, 1983



TVA POWER SYSTEM
MEGAWATT DEMANDS AND RELATED INFORMATION BY CUSTOMER CLASS
POINT OF MEASUREMENT - GENERATION

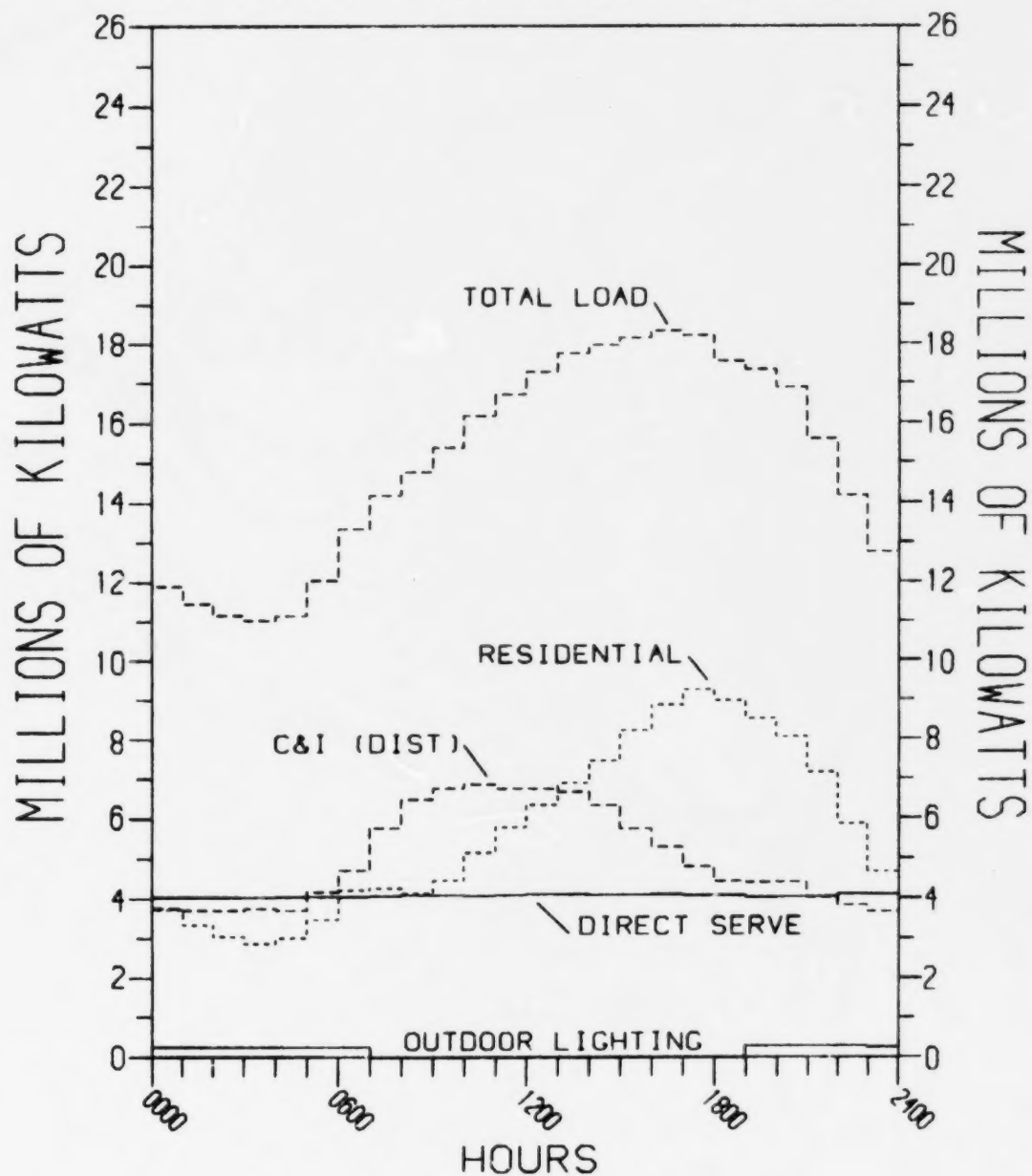
September 1983

		Distributor Served Classes				
	Direct Served	Residential	GS ≤50 kW	GS 51-5000 kW	GS 5001-over kW	TVA System
<u>Individual Customer</u>						
1. Population	103*	2,512,922	268,607	25,774	164	2,807,570
2. Energy Per Customer	-	1,271 kWh	2,241 kWh	76,923 kWh	3,333,830 kWh	-
3. Class Average Demand	4,122 MW	4,437 MW	836 MW	2,754 MW	759 MW	13,055 MW
<u>Class Peak Load Basis</u>						
4. Maximum Demand	4,397 MW	9,655 MW	1,580 MW	4,508 MW	1,012 MW	18,357 MW
5. Day of Month	28th	10th	1st	9th	26th	8th
6. Day of Week	Wednesday	Saturday	Thursday	Friday	Monday	Thursday
7. Hour	0100	1800	1400	1000	1200	1700
8. Monthly Load Factor (3 ÷ 4)	93.7%	46.0%	52.9%	61.1%	75.0%	71.1%
<u>System Peak Load Basis</u>						
9. Coincident Peak Demand	4,140 MW	8,896 MW	1,259 MW	3,241 MW	821 MW	18,357 MW
10. Coincident Load Factor (3 ÷ 9)	99.6%	49.9%	66.4%	85.0%	92.4%	-
11. Class Coincidence Factor (9 ÷ 4)	.942	.921	.797	.719	.811	-

*Represents 50 commercial and industrial customers, 10 Federal agencies, and 43 interdivisional customers.

TVA POWER SYSTEM PEAK DAY PROFILE

THURSDAY, SEPTEMBER 8, 1983



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BEST COPY AVAILABLE